

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A code distinguishing apparatus for detecting any one of a plurality of codes contained in object data of code distinction, each code having its characteristic value, having the apparatus comprising:

correlation calculating means for calculating a plurality of correlations indicating a correlation between each of the plurality of codes and the object data,

code distinguishing means for distinguishing which of the plurality of codes ~~any code is~~ contained in the object data ~~is on the basis of~~ ~~based on~~ the plurality of calculated correlations and a plurality of sets of distinguishing data respectively set for the plurality of codes and indicating a range of values that the plurality of correlations should have, ~~the correlations being respectively calculated from the plurality of sets of object data respectively containing the plurality of codes, and~~

~~distinguishing data altering means for altering, when a code contained in the object data has been distinguished, for altering the respective values of the plurality of sets of distinguishing data.~~ data when a code contained in the object data has been distinguished.

2. (Currently Amended) The code distinguishing apparatus according to

Claim 1, wherein:

the object data is transmitted by one of a plurality of communication systems, each of the plurality of codes is a unique word which takes a characteristic value matching one of the plurality of communication systems, and the plurality of sets of distinguishing data indicate a lower limit, or an upper limit and the lower limit, of ~~a~~ ~~the~~ plurality of correlations ~~respectively calculated from the plurality of sets of object data containing the plurality of unique words respectively, correlations.~~

when any unique word contained in the object data has been distinguished, the distinguishing data altering means, when any unique word contained in the object data has been distinguished, expand expands a range of first sets of distinguishing data that are set for the distinguished unique word and narrows the range of the first sets of distinguishing data that are set for unique words other than the distinguished unique word to obtain a plurality of second sets of distinguishing data, and

the code distinguishing means ~~distinguish, distinguishes,~~ as a unique word contained in the object data, a unique word that gives a correlation within a range indicated by either the plurality of first sets of distinguishing data or the plurality of second sets of distinguishing data.

3. (Canceled)